

General

Title

Metabolism and nutrition: percentage of patients with nutrition risk (NR) and nutritional status (NS) assessment.

Source(s)

Quality indicators in critically ill patients. Madrid (Spain): Spanish Society of Intensive and Critical Care and Units Coronary (SEMICYUC); 2011. 185 p.

Measure Domain

Primary Measure Domain

Clinical Quality Measures: Process

Secondary Measure Domain

Does not apply to this measure

Brief Abstract

Description

This measure is used to assess the percentage of patients with nutrition risk (NR) and nutritional status (NS) assessment.

Rationale

The aim of intensive care medicine is to provide critical patients with the healthcare that they need, ensuring the quality and safety of care. Intensive care medicine is one of the principal components of modern healthcare systems. There is an increasing demand for this resource, which involves high costs.

The quality of care has gradually come to be the central focus of healthcare, and in recent years patient safety has come to represent one of the key aspects of quality. In the case of intensive care medicine, this interest in quality is even more evident, not only because of its social and economic impact, but also because some of the dimensions involved in the quality of care of critical patients take on greater importance: critical patients are more vulnerable, access to critical care is more limited so efforts to

distribute resources equitably are more important, scant scientific evidence is available, and the efficiency is limited.

The evaluation of nutritional status (NS) is the first step in nutritional treatment. It enables us to determine whether or not a patient is affected by malnutrition, classify and quantify the type and degree of malnutrition, reach a metabolic-nutritional diagnosis, choose the manner of administration, monitor the results of nutrition, and evaluate the efficacy of a determinate nutritional therapy.

Evidence for Rationale

Acosta Escribano J, Gomez-Tello V, Ruiz Santana S. [Nutritional assessment of the severely ill patient]. *Nutr Hosp*. 2005 Jun;20 Suppl 2:5-8. [PubMed](#)

Barbosa-Silva MC, Barros AJ. Indications and limitations of the use of subjective global assessment in clinical practice: an update. *Curr Opin Clin Nutr Metab Care*. 2006 May;9(3):263-9. [74 references] [PubMed](#)

Quality indicators in critically ill patients. Madrid (Spain): Spanish Society of Intensive and Critical Care and Units Coronary (SEMICYUC); 2011. 185 p.

Valoración nutricional. Influencia de la malnutrición sobre las funciones fisiológicas. In: Planas M, Bonet A, Farré M. *Monografías de Medicina Crítica Práctica SEMICYUC*. García de Lorenzo A. Soporte Nutricional en paciente grave. EdikaMed; 2002.

Primary Health Components

Metabolism; nutritional risk (NR); nutritional status (NS) assessment

Denominator Description

Number of patients admitted with nutritional risk (NR) (see the related "Denominator Inclusions/Exclusions" field)

Numerator Description

Number of patients with nutrition risk (NR) and nutritional status (NS) assessment (see the related "Numerator Inclusions/Exclusions" field)

Evidence Supporting the Measure

Type of Evidence Supporting the Criterion of Quality for the Measure

A formal consensus procedure, involving experts in relevant clinical, methodological, public health and organizational sciences

One or more research studies published in a National Library of Medicine (NLM) indexed, peer-reviewed journal

Additional Information Supporting Need for the Measure

Unspecified

Extent of Measure Testing

Unspecified

State of Use of the Measure

State of Use

Current routine use

Current Use

not defined yet

Application of the Measure in its Current Use

Measurement Setting

Hospital Inpatient

Intensive Care Units

Professionals Involved in Delivery of Health Services

not defined yet

Least Aggregated Level of Services Delivery Addressed

Single Health Care Delivery or Public Health Organizations

Statement of Acceptable Minimum Sample Size

Unspecified

Target Population Age

Age greater than or equal to 18 years

Target Population Gender

Either male or female

National Strategy for Quality Improvement in Health

Care

National Quality Strategy Aim

Better Care

National Quality Strategy Priority

Prevention and Treatment of Leading Causes of Mortality

Institute of Medicine (IOM) National Health Care Quality Report Categories

IOM Care Need

Getting Better

IOM Domain

Effectiveness

Data Collection for the Measure

Case Finding Period

Unspecified

Denominator Sampling Frame

Patients associated with provider

Denominator (Index) Event or Characteristic

Clinical Condition

Institutionalization

Denominator Time Window

not defined yet

Denominator Inclusions/Exclusions

Inclusions

Number of patients admitted with nutritional risk (NR)

Population: All patients with NR admitted to the critical care department during the period reviewed.

Exclusions

Unspecified

Exclusions/Exceptions

not defined yet

Numerator Inclusions/Exclusions

Inclusions

Number of patients with nutrition risk (NR) and nutritional status (NS) assessment

Note:

In patients with NR identified using validated scales (refer to the original measure documentation for references) or by the presence of one or more of the following factors:

Presence or possible presence of malnutrition (involuntary weight loss greater than 10% of habitual body weight in the last 3 to 6 months or greater than or equal to 5% of habitual body weight in 1 month, or body weight 20% below ideal weight) and presence of chronic disease or increased metabolic requirements

Inadequate ingestion maintained for at least 7 days (swallowing and absorption dysfunctions)

Altered oral ingestion (enteral or parenteral nutrition, recent surgery, disease)

Nutritional status should be assessed using:

Subjective Global Assessment (SGA)

If SGA is not used, the following are required:

General and nutritional history

Physical examination

Anthropometric determinations: weight, height

Determination of biochemical parameters related with the metabolism of proteins, sugars, and fats, and with the status of certain vitamins and minerals

Exclusions

Unspecified

Numerator Search Strategy

Institutionalization

Data Source

Electronic health/medical record

Paper medical record

Type of Health State

Does not apply to this measure

Instruments Used and/or Associated with the Measure

Unspecified

Computation of the Measure

Measure Specifies Disaggregation

Does not apply to this measure

Scoring

Rate/Proportion

Interpretation of Score

Desired value is a higher score

Allowance for Patient or Population Factors

not defined yet

Standard of Comparison

not defined yet

Prescriptive Standard

Standard: 100%

Evidence for Prescriptive Standard

Quality indicators in critically ill patients. Madrid (Spain): Spanish Society of Intensive and Critical Care and Units Coronary (SEMICYUC); 2011. 185 p.

Identifying Information

Original Title

Assessment of nutritional status.

Measure Collection Name

Quality Indicators in Critically Ill Patients

Measure Set Name

Metabolism and Nutrition

Submitter

Spanish Society of Intensive and Critical Care and Units Coronary - Clinical Specialty Collaboration

Developer

Spanish Society of Intensive and Critical Care and Units Coronary - Clinical Specialty Collaboration

Funding Source(s)

Boehringer Laboratories

Composition of the Group that Developed the Measure

Work Group for Metabolism and Nutrition

Alfonso Mesejo Arizmendi
Clara Vaquerizo Alonso
Teodoro Grau Carmona
Alfons Bonet Sàris
Carlos Ortiz Leyba
Pilar Martínez García
Jimena Abilés
José Andrés Arboleda
Encarnación Molina Domínguez
Juan Carlos Montejo González
Carmen Sánchez Álvarez
Francisco Fernández Ortega
José Acosta Escribano
Ignacio Herrero Meseguer
Sergio Ruiz Santana

Scientific Coordination:

Maria Cruz Martín Delgado
Jesús Blanco Varela
Lluís Cabré Pericas
Pedro Galdos Anuncibay
Federico Gordo Vidal

Financial Disclosures/Other Potential Conflicts of Interest

Unspecified

Adaptation

This measure was not adapted from another source.

Date of Most Current Version in NQMC

2011 Mar

Measure Maintenance

Unspecified

Date of Next Anticipated Revision

2016 Jul

Measure Status

This is the current release of the measure.

The measure developer reaffirmed the currency of this measure in May 2016.

Measure Availability

Source available in [English](#) and [Spanish](#) from the Spanish Society of Intensive and Critical Care and Units Coronary (SEMICYUC) Web site.

For more information, contact SEMICYUC at Paseo de la Reina Cristina, 36, 4^o D, Madrid, Spain; Phone: +34-91-502-12-13; Fax: +34-91-502-12-14; Web site: www.semicyuc.org ; E-mail: secretaria@semicyuc.org.

NQMC Status

This NQMC summary was completed by ECRI Institute on January 6, 2014. The information was verified by the measure developer on February 26, 2014.

The information was reaffirmed by the measure developer on May 10, 2016.

Copyright Statement

This NQMC summary is based on the original measure, which is subject to the measure developer's copyright restrictions.

The Quality Indicators in Critically Ill Patients update 2011 can be used by any private or public body only for the purposes of research, clinical management, teaching and education, and will not be used for any other purpose. In all cases, full credit to the Spanish Society of Intensive Care Medicine (SEMICYUC) will be granted. The commercial use of the Quality Indicators in Critically Ill Patients update 2011 is explicitly forbidden.

Production

Source(s)

Quality indicators in critically ill patients. Madrid (Spain): Spanish Society of Intensive and Critical Care and Units Coronary (SEMICYUC); 2011. 185 p.

Disclaimer

NQMC Disclaimer

The National Quality Measures Clearinghouse[®] (NQMC) does not develop, produce, approve, or endorse

the measures represented on this site.

All measures summarized by NQMC and hosted on our site are produced under the auspices of medical specialty societies, relevant professional associations, public and private organizations, other government agencies, health care organizations or plans, individuals, and similar entities.

Measures represented on the NQMC Web site are submitted by measure developers, and are screened solely to determine that they meet the [NQMC Inclusion Criteria](#).

NQMC, AHRQ, and its contractor ECRI Institute make no warranties concerning the content or its reliability and/or validity of the quality measures and related materials represented on this site. Moreover, the views and opinions of developers or authors of measures represented on this site do not necessarily state or reflect those of NQMC, AHRQ, or its contractor, ECRI Institute, and inclusion or hosting of measures in NQMC may not be used for advertising or commercial endorsement purposes.

Readers with questions regarding measure content are directed to contact the measure developer.